



MICHIGAN STATE POLICE RETIREMENT SYSTEM

Pension Actuarial Valuation Results
as of September 30, 2006

GRS

Gabriel Roeder Smith & Company
Consultants & Actuaries
www.gabrielroeder.com

Copyright © 2007 GRS - All rights reserved

Actuarial Valuation Process

Member Data

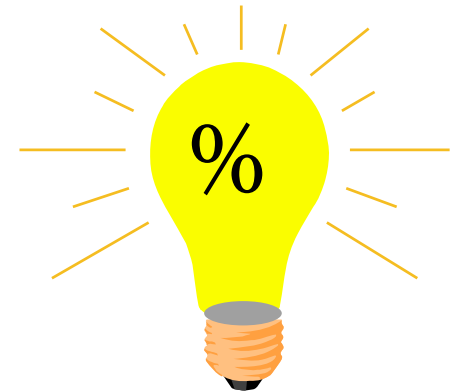


Financial Data



**Actuarial
Valuation**

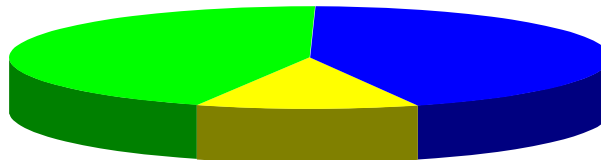
Actuarial Assumptions



Plan Provisions

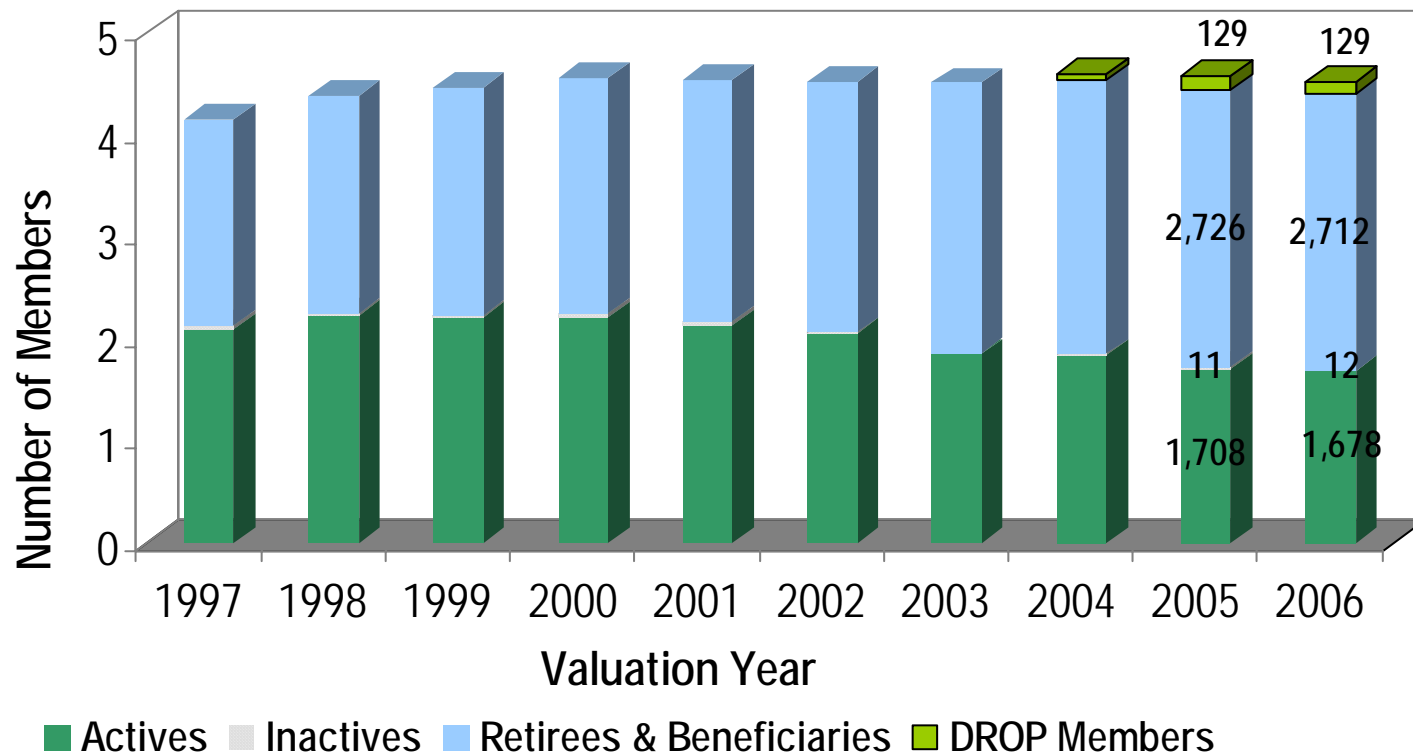


Actuarial Cost Method



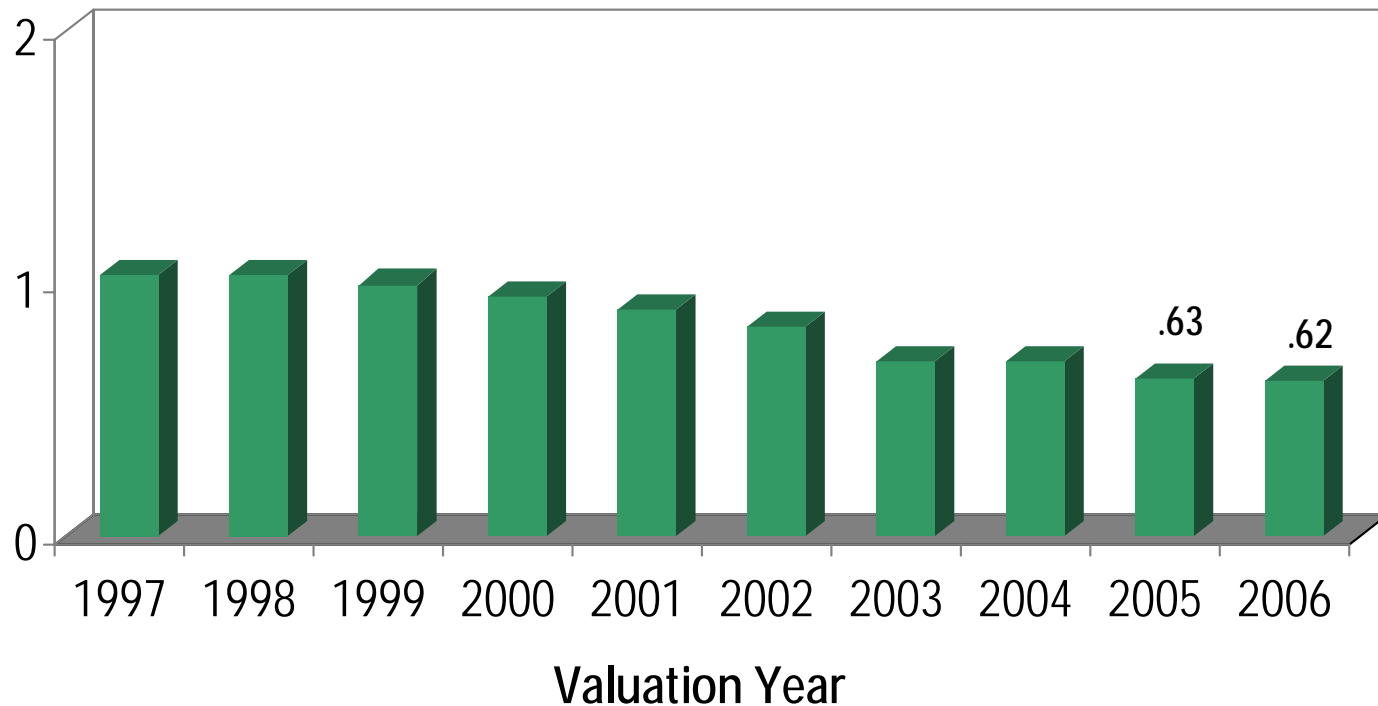
Membership Data

(Counts in Thousands)



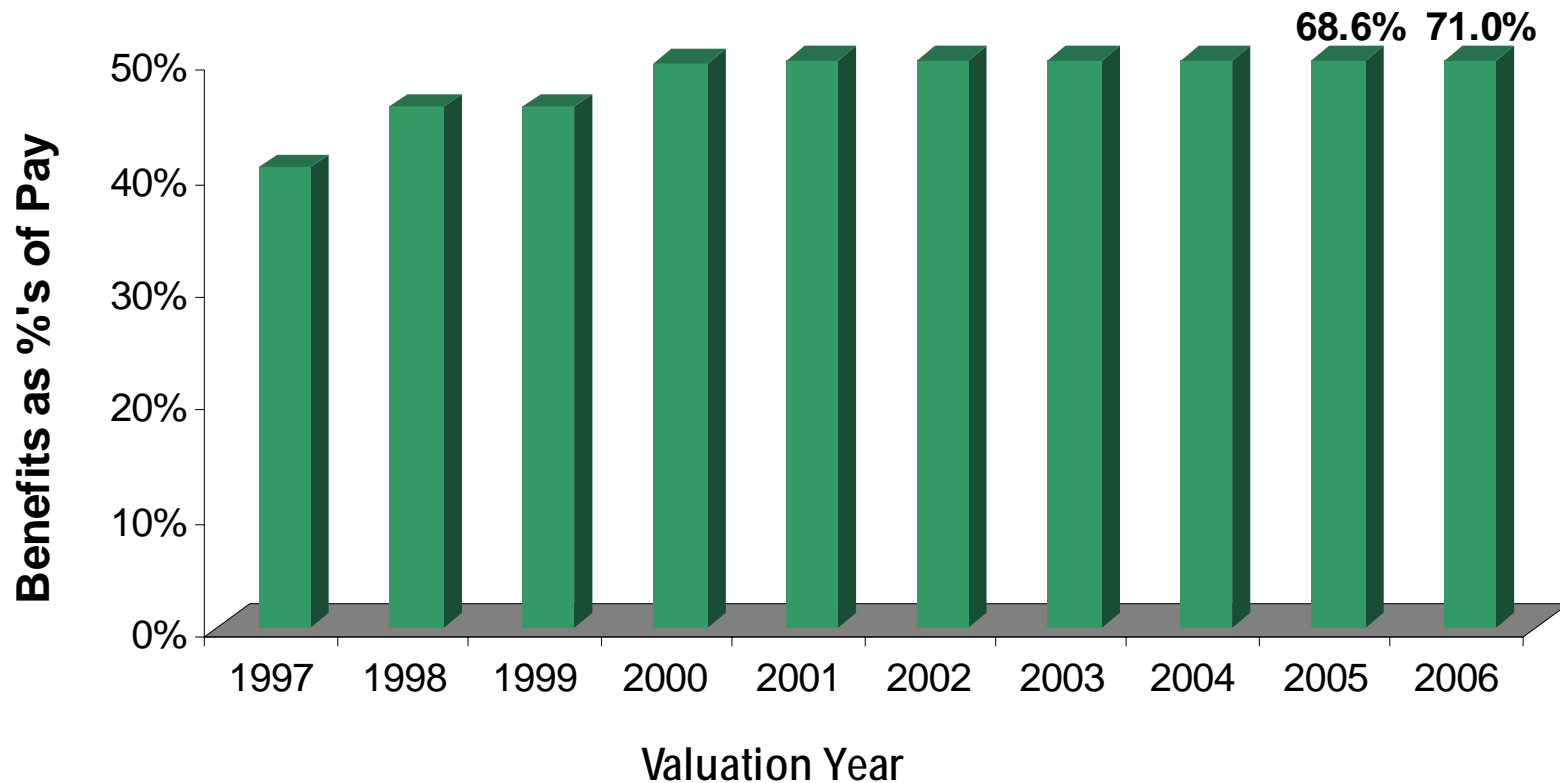


Ratio of Active Members to Pension Benefit Recipients



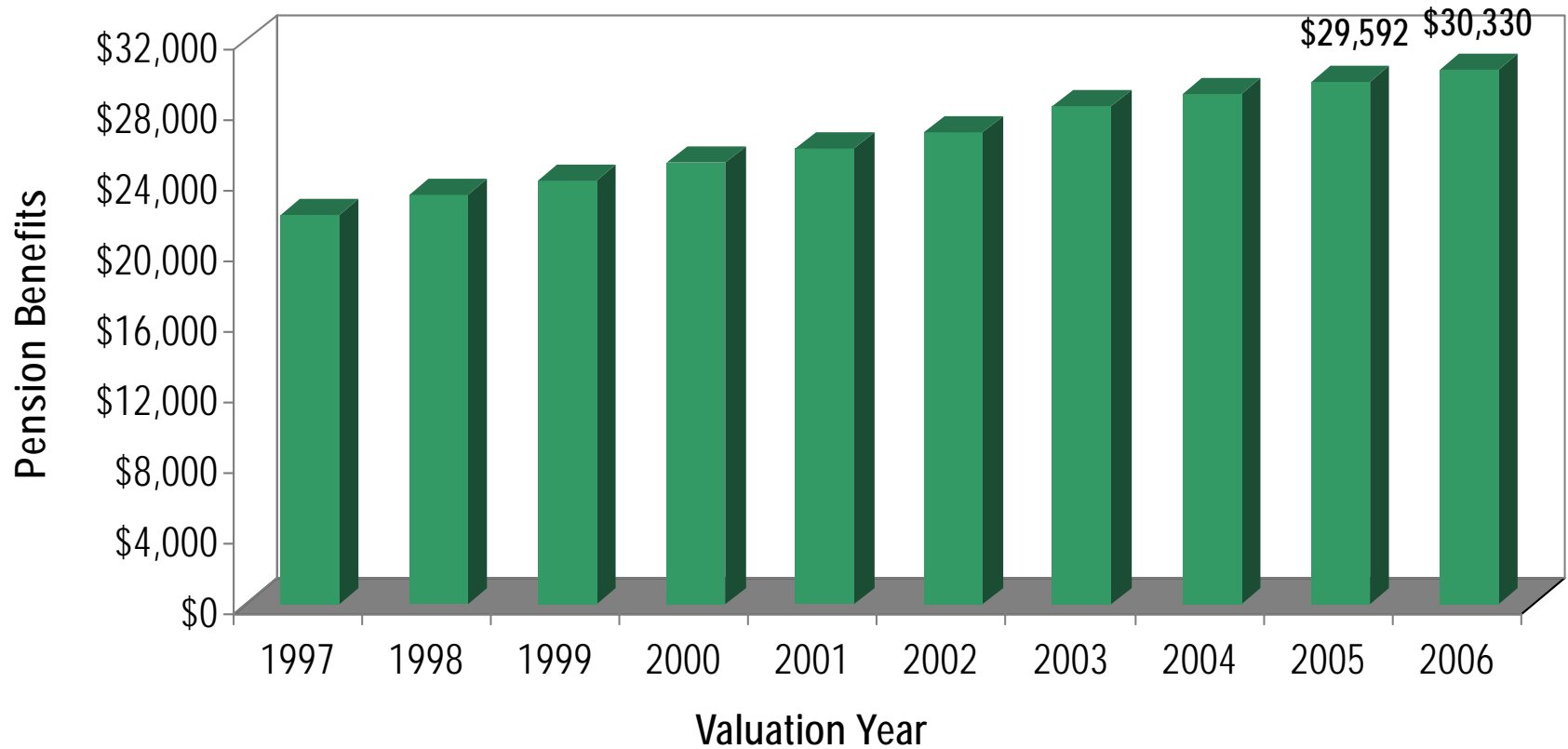


Pension Benefits Expressed as %'s of Active Member Pay





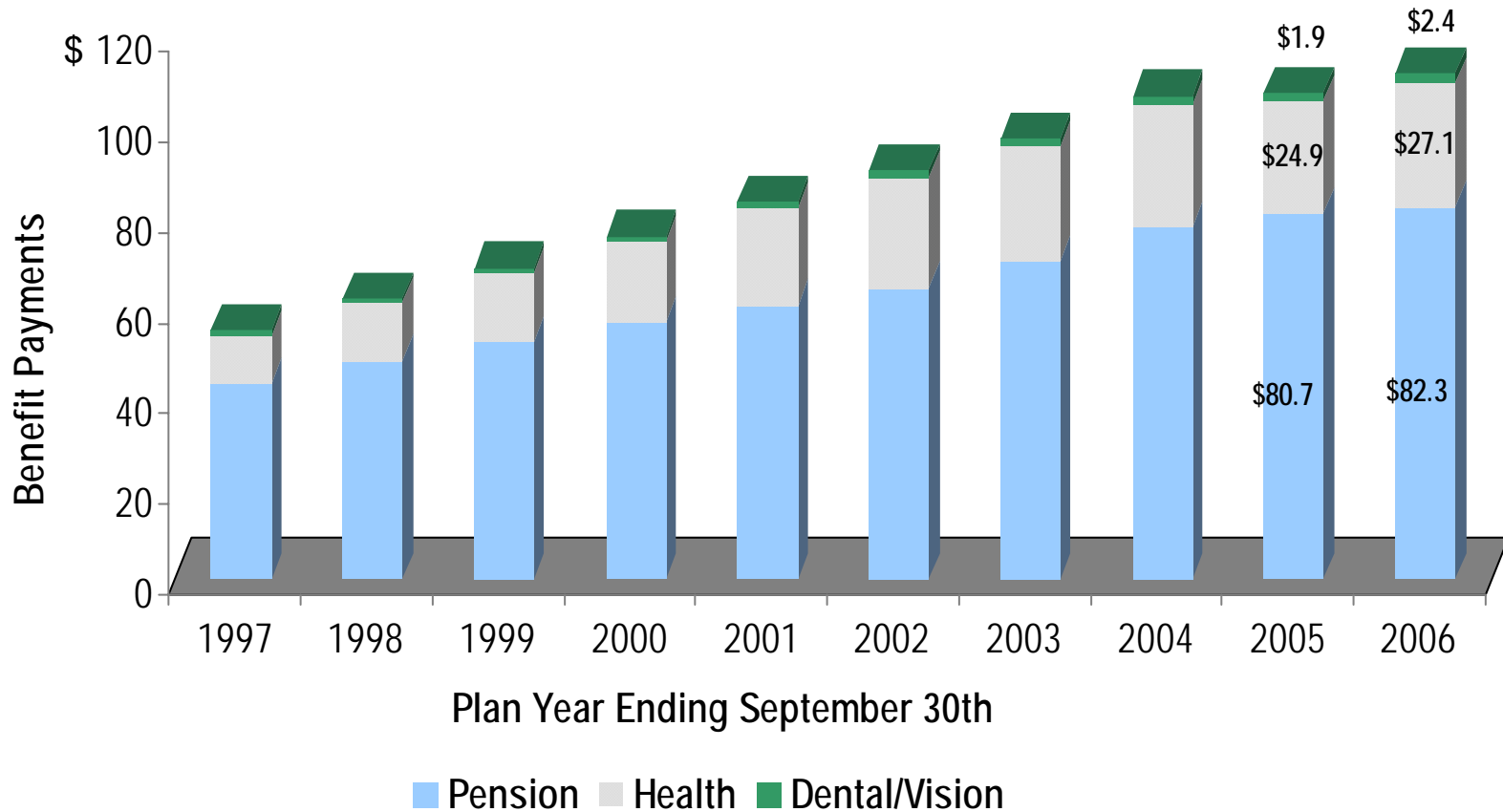
Average Annual Pensions





Benefit Payments by Fiscal Year

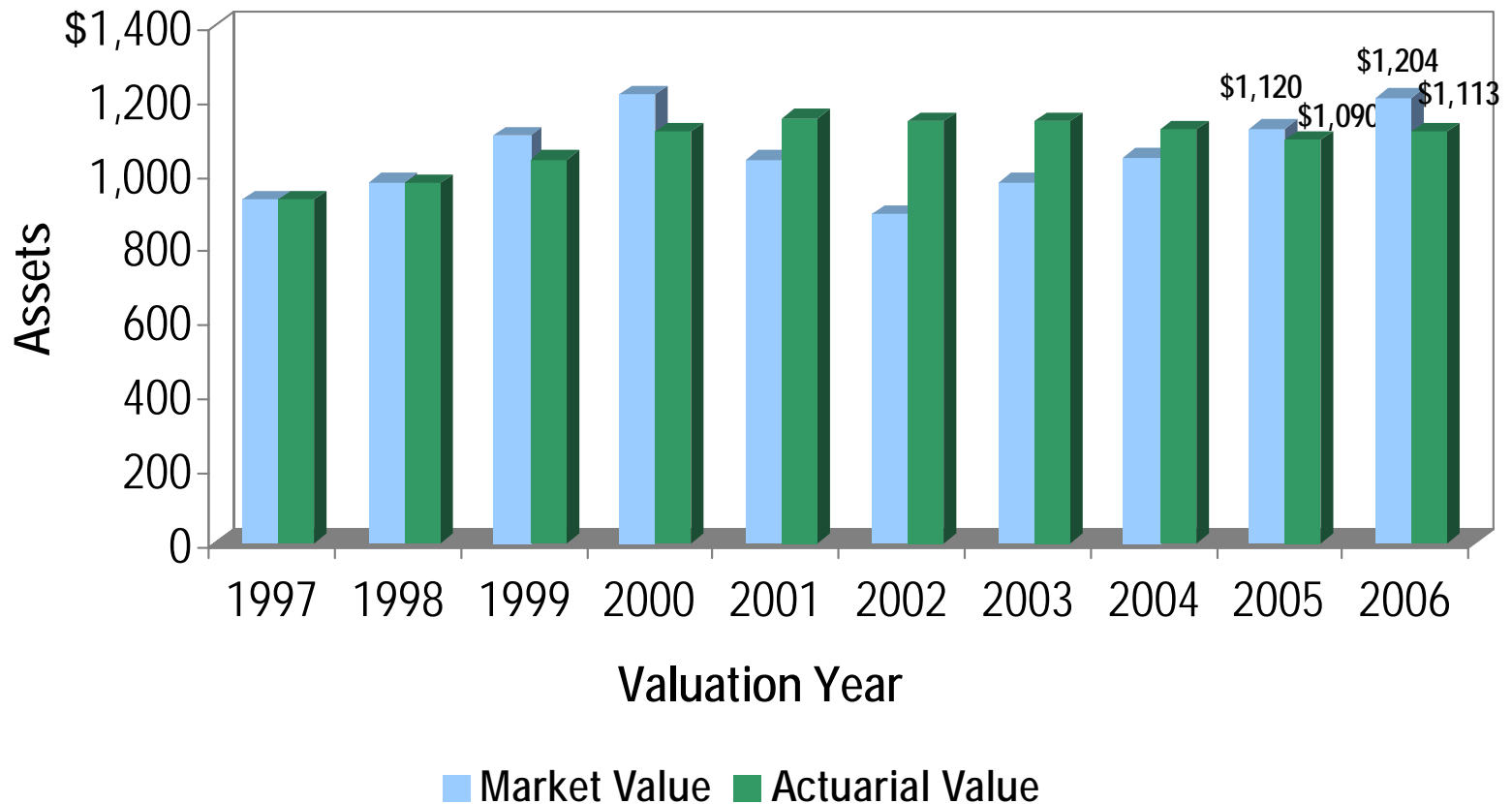
(Amounts in Millions)



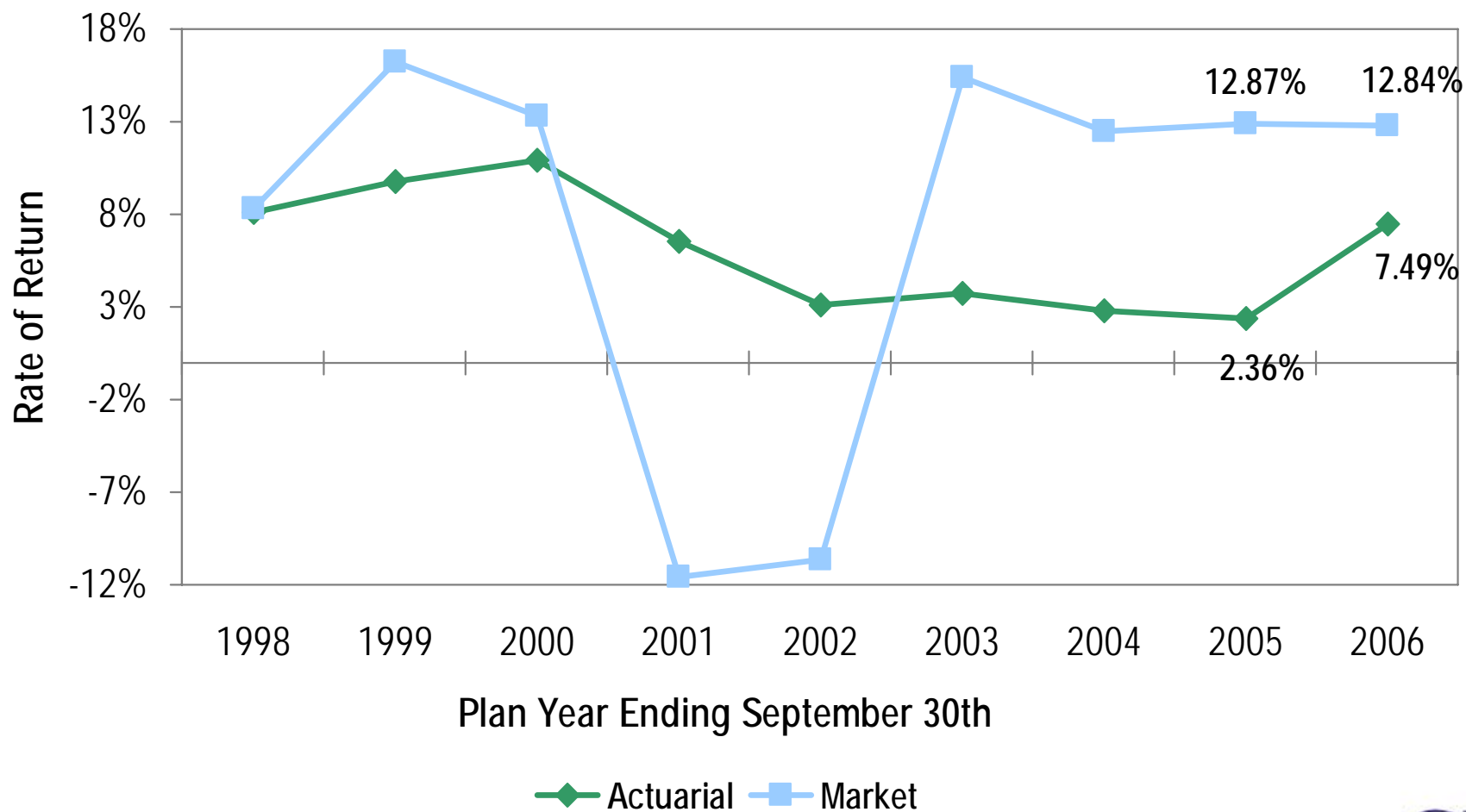


Growth of Pension Assets

(Amounts in Millions)



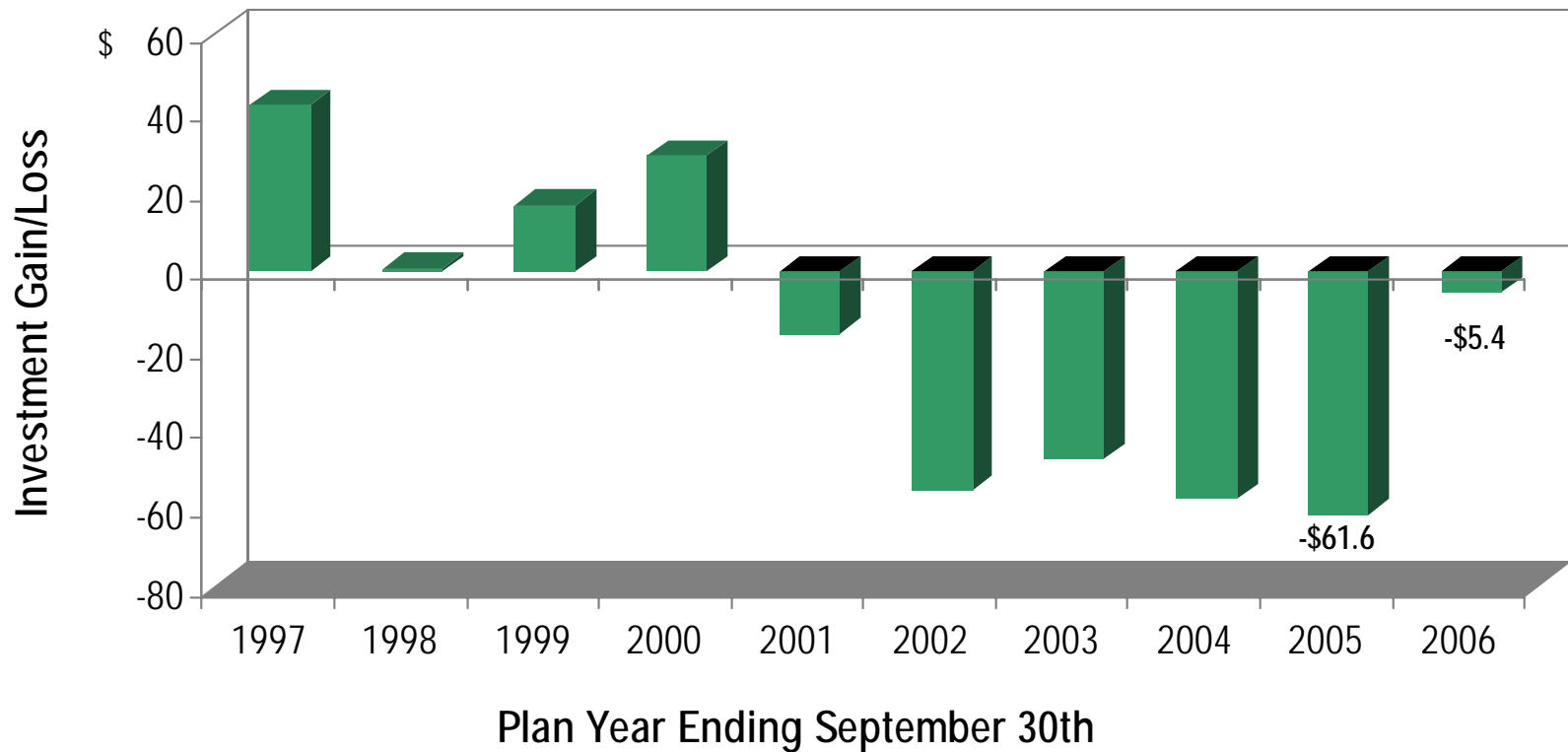
Actuarial & Market Net Rates of Return





Investment Gain/Loss

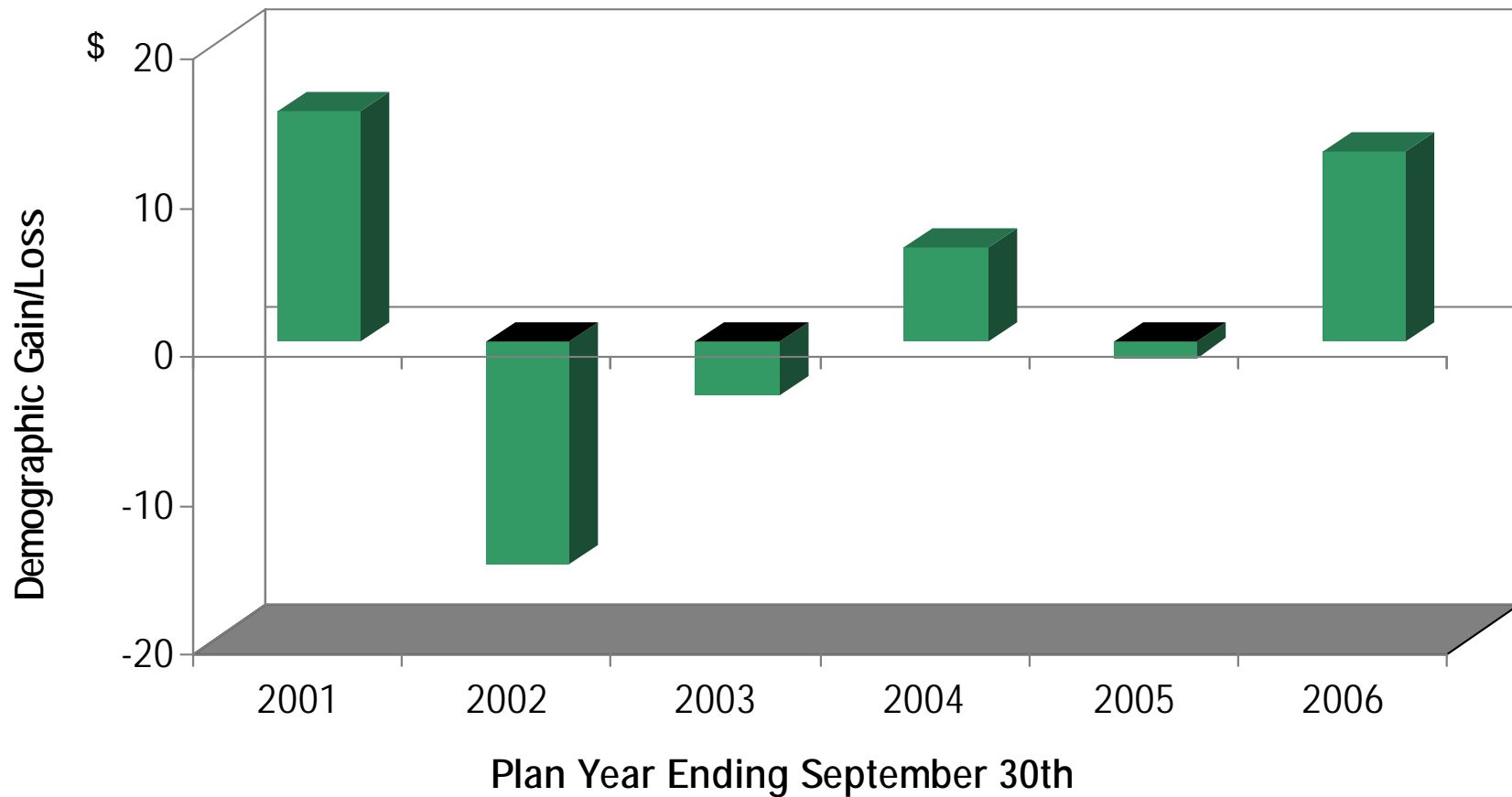
(Amounts in Millions)





Demographic Gain/Loss

(Amounts in Millions)





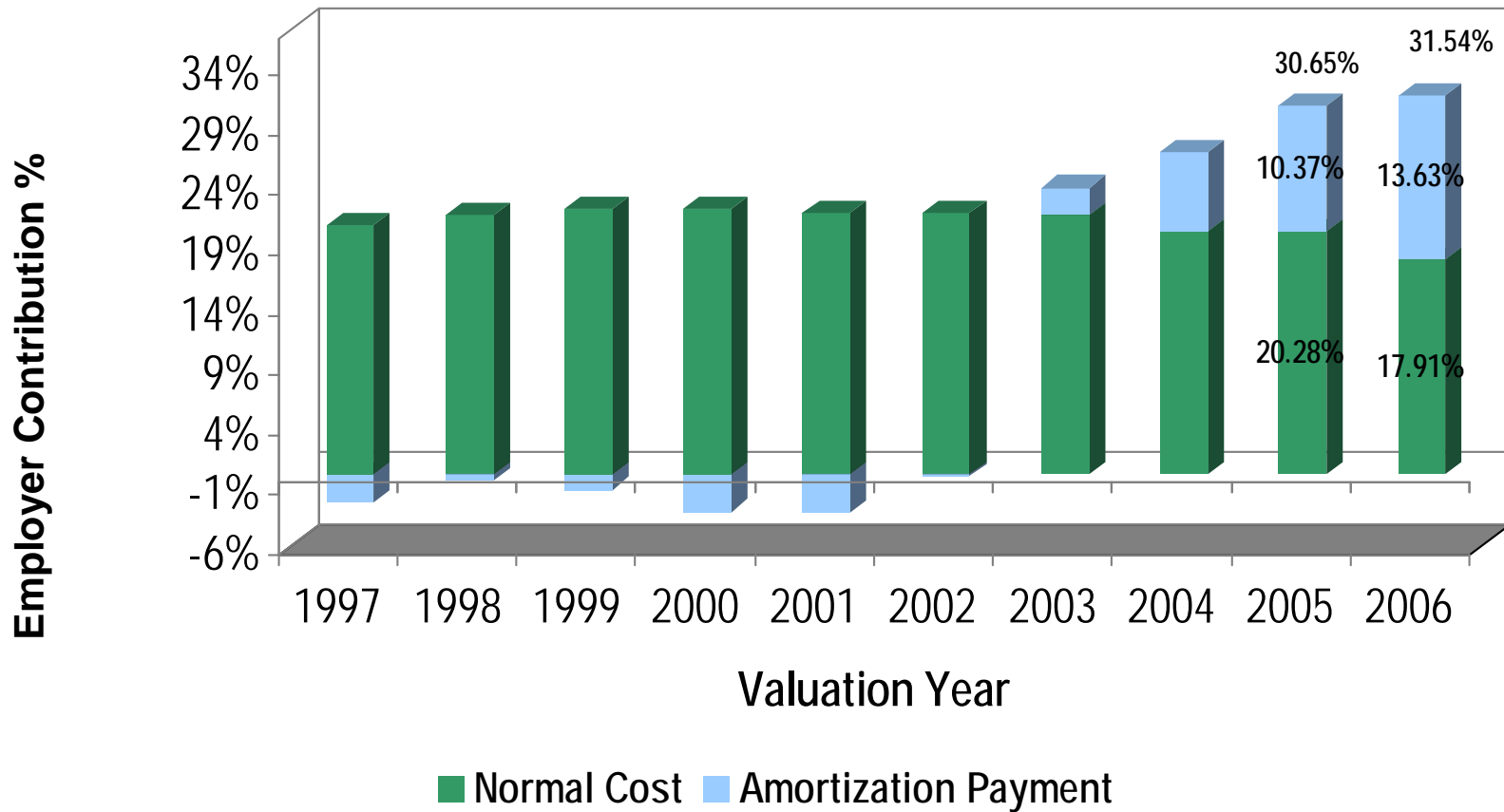
Gain/(Loss) by Type of Activity

(Amounts in Millions)

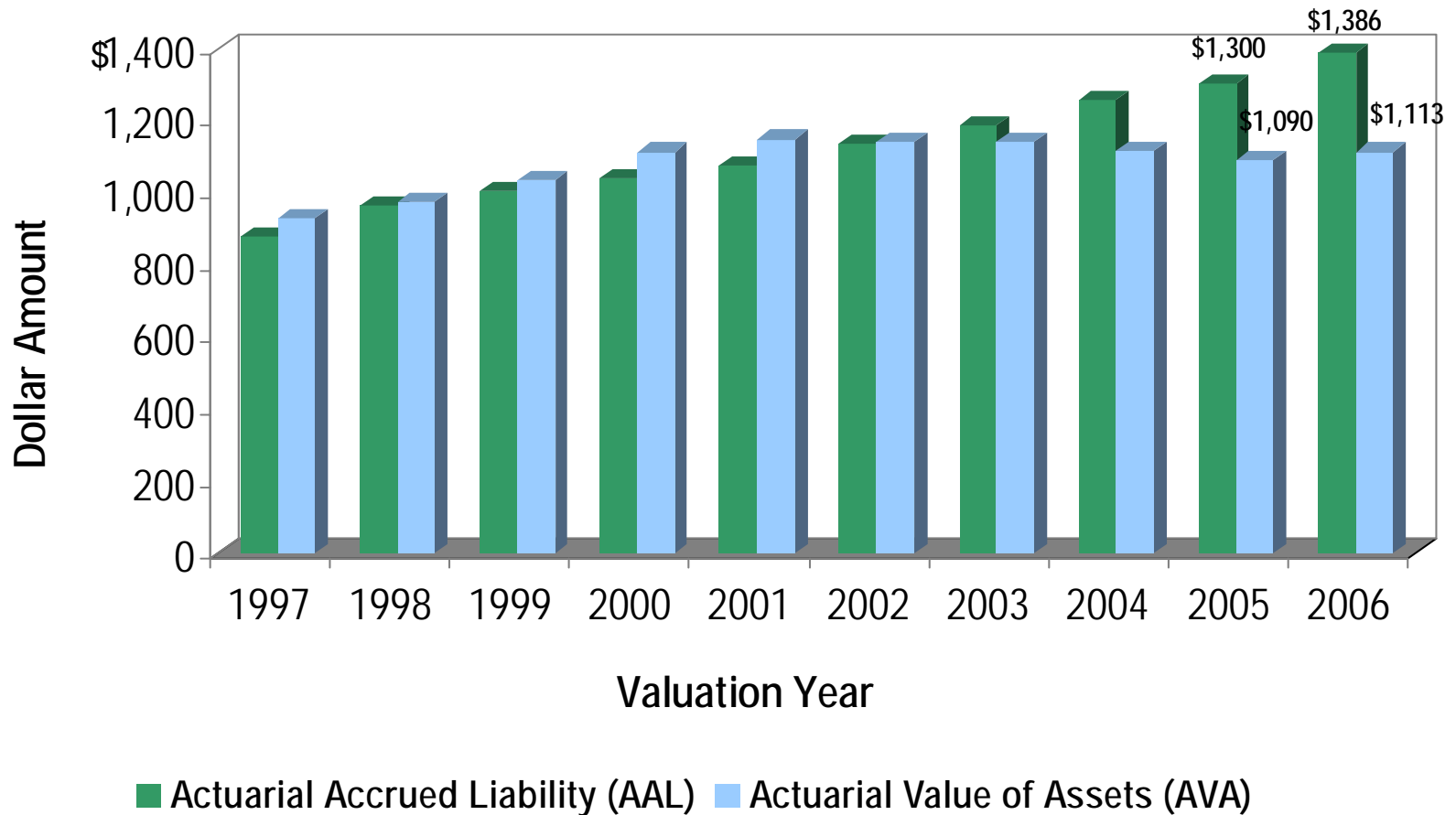
Plan Year					
Ending 9/30	2006	2005	2004	2003	2002
New Entrants	(0.31)	(0.04)	(0.12)	0.00	0.00
Retiree Deaths	4.00	0.00	(4.56)	(4.94)	(4.05)
Investments	(5.38)	(61.57)	(57.68)	(47.61)	(55.63)
Pay Increases	15.19	3.33	(11.94)	11.04	(8.60)
Withdrawal	0.18	0.06	(0.01)	2.31	1.68
Retirements	1.68	(7.01)	5.60	(12.75)	(4.12)
Other	(7.92)	2.54	17.36	0.70	0.07
Total	7.44	(62.69)	(51.35)	(51.25)	(70.65)

* As a result of a change in the reporting of benefit service.

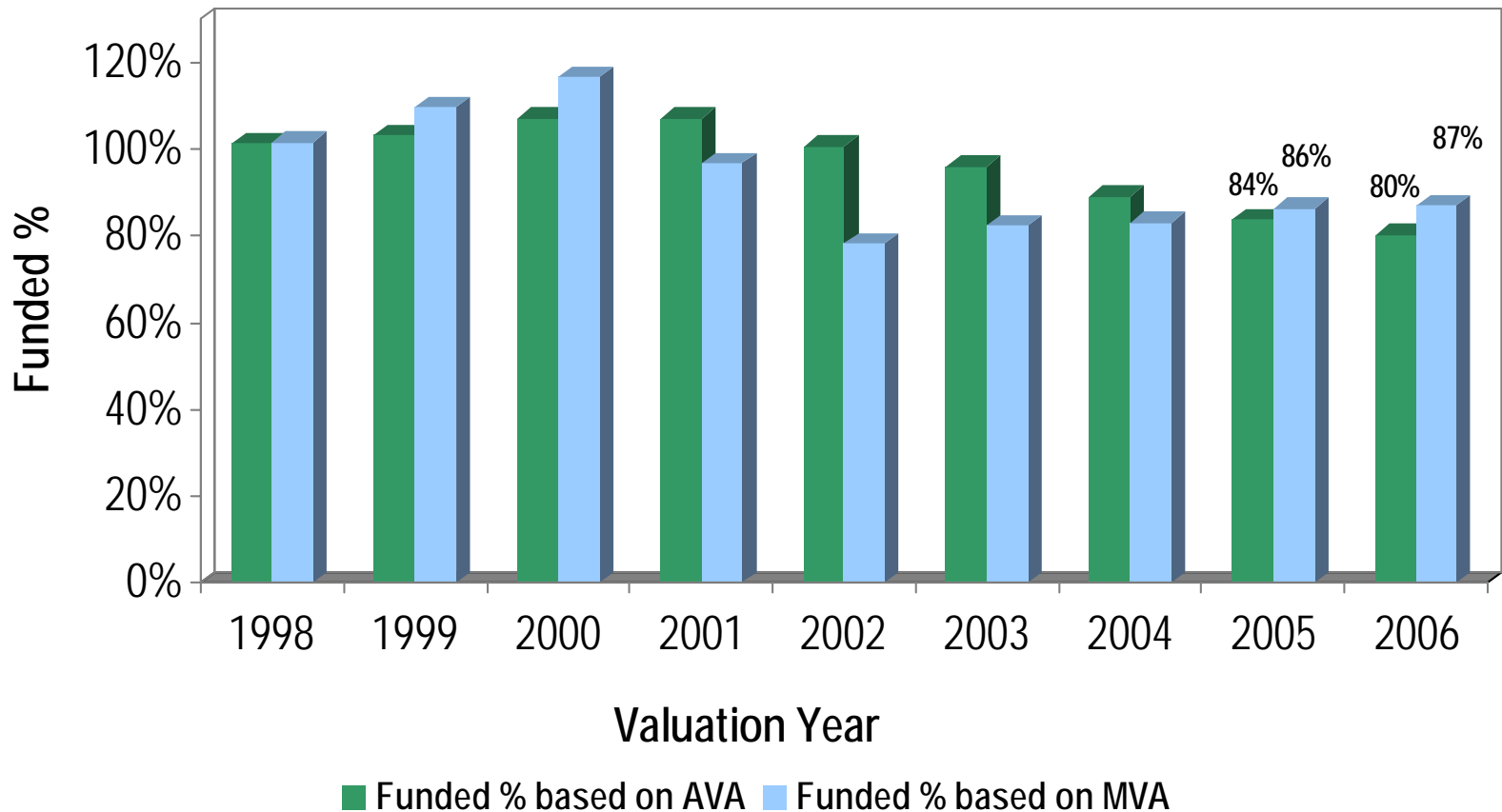
Historical Employer Contribution %'s Valuation as of September 30



Actuarial Accrued Liability Compared to Actuarial Value of Assets (in millions)



Retirement System Funded % Based on Actuarial Value and Market Value of Assets



Unfunded as Percentage of Payroll

